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Notice of Allowability	Application No.	Applicant(s)	
	10/044,890	HANSEN, SAMUEL N.	
	Examiner	Art Unit	
	Theresa T. Snider	1744	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amdt. of 2/19/2004.
2. ☒ The allowed claim(s) is/are 4-10, 12-18, 20-21 and 23-26 renumbered 1-20, respectively.
3. ☒ The drawings filed on 19 February 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>4/14/2004</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment. |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

Theresa T. Snider
Primary Examiner
Art Unit: 1744

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with John McGarry on 4/14/2004.

The application has been amended as follows:

In the Claims

Claim 4, line 10, 'liquid' has been replaced with --cleaning fluid--.

Claim 8, line 3, after 'cleaned;', --at least one wheel mounted to the extraction housing in supporting relationship thereto for rotation about a horizontal axis and movement of the extraction housing along the floor surface-- has been inserted;

Line 4, 'pivotally' has been deleted;

Line 12, after 'speed;', --wherein the detector is aligned with and adjacent to the at least one wheel and is adapted to detect the rotational motion of the at least one wheel without physically contacting the wheel-- has been inserted.

Claim 13, lines 1-2, 'and further comprising' has been replaced with --wherein the--;

Line 2, 'two' has been replaced with --one--;

Line 2, 'wheels' has been replaced with --wheel--;

Line 2, --comprises at least two wheels-- has been inserted after 'wheel';

Line 2, after 'housing', --in supporting relationship thereto for rotation about the horizontal axis-- has been inserted;

Lines 3-4, 'and is...contacting the wheel' has been deleted.

The following has been inserted:

--26. The extraction surface cleaning apparatus of claim 8 wherein the handle is mounted to the extraction housing for pivotal movement about the horizontal axis of rotation of the at least one wheel.--

2. The following is an examiner's statement of reasons for allowance: the prior art discloses an extraction surface cleaning apparatus with an extractor housing and a detector and output device for sensing the speed of the extractor housing over a surface and displaying the speed to a user, wherein the detector includes a disk-portion mounted to a wheel and a pick-up portion HOWEVER fails to disclose or fairly suggest the disk portion having alternating opposite-polarity magnetic segments thereon and the pick-up portion adapted to detect the rotational speed of the disk portion by detecting changes in the magnetic polarity of a particular segment of the disk portion located adjacent to the pick-up portion. The prior art discloses an extraction surface cleaning apparatus with an extractor housing with at least one supporting wheel wherein a detector is aligned and mounted adjacent to a sensor wheel to detect the rotational motion thereof without physically contacting the wheel HOWEVER fails to disclose or fairly suggest the detector aligned and mounted adjacent to the at least one supporting wheel to detect the rotational motion thereof without physically contacting the wheel. The prior art fails to disclose a method of cleaning a floor surface with an extraction cleaner that includes the step of

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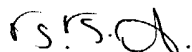
generating a predetermined reference signal and comparing it to a speed signal and communicating a detected relative speed to a user of the cleaner.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Theresa T. Snider whose telephone number is (571) 272-1277. The examiner can normally be reached on Monday-Wednesday-Friday (6:30AM-3:00PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert J. Warden can be reached on (571) 272-1281. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



**THERESA T. SNIDER
PRIMARY EXAMINER**

Theresa T. Snider
Primary Examiner
Art Unit 1744

4/19/04